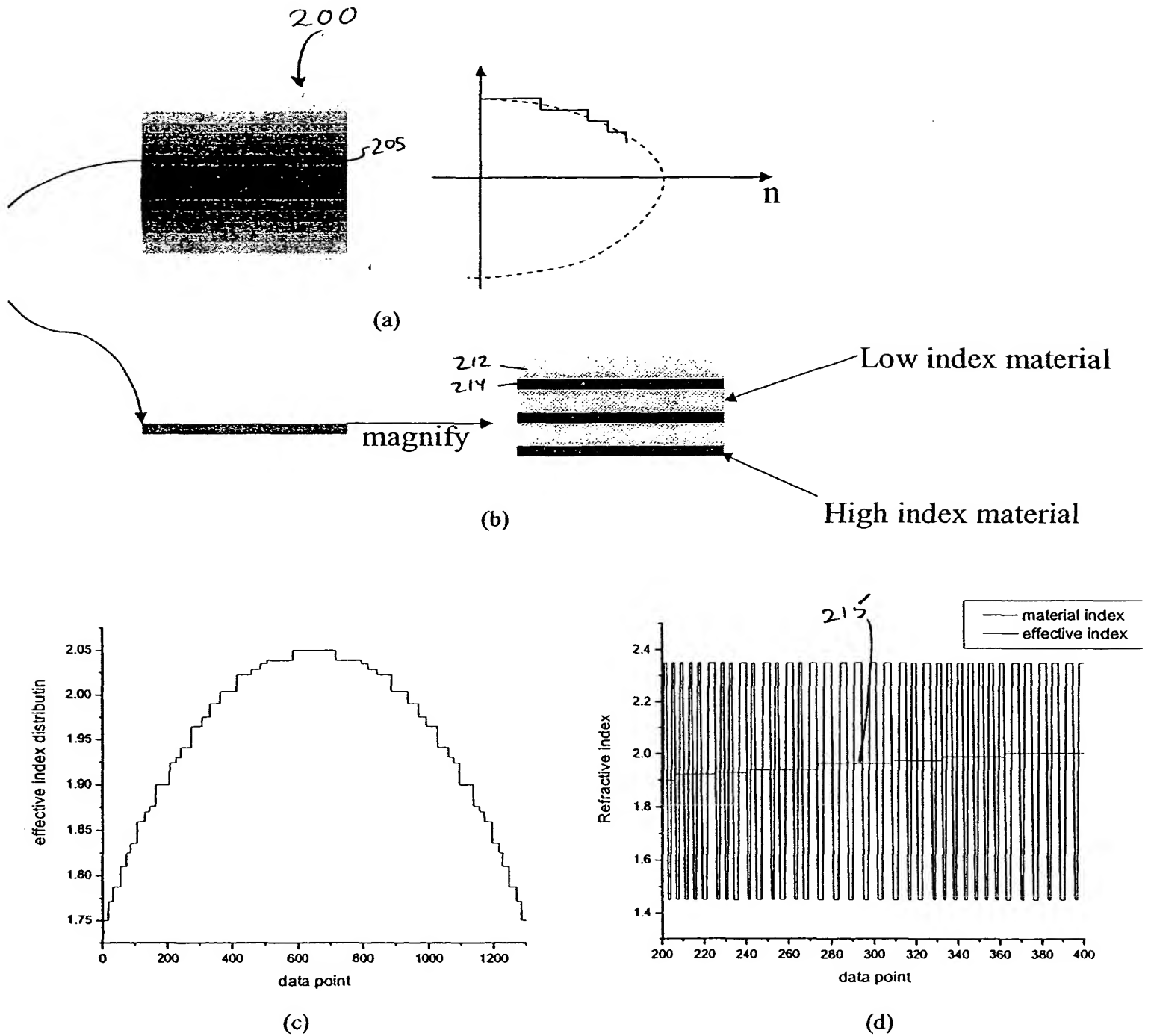
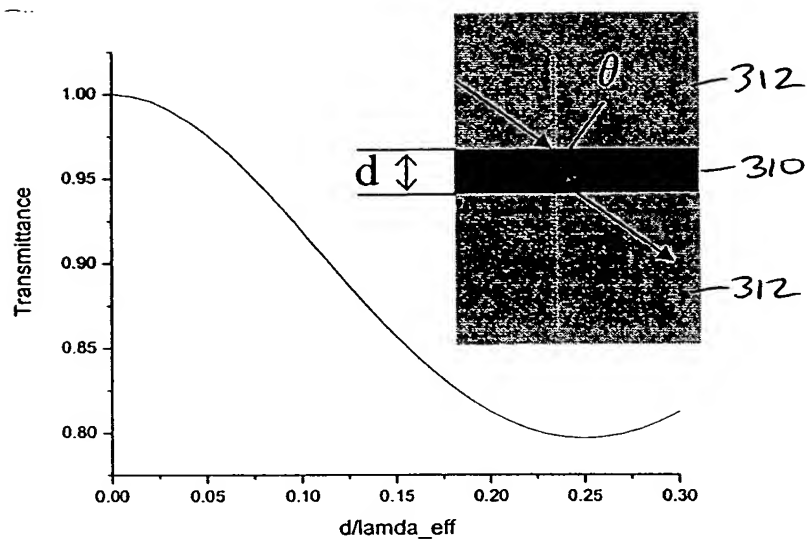


Fig. 1

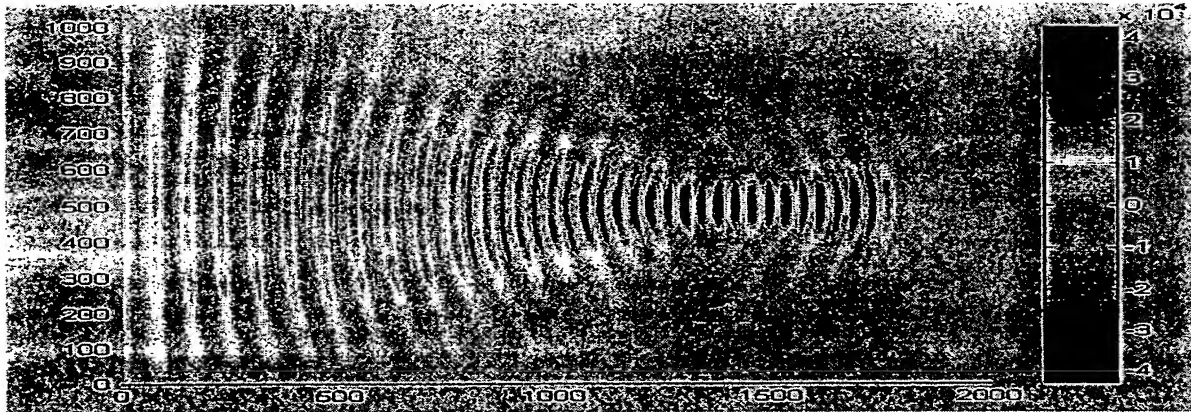




Relationship of transmittance vs  $d/\lambda_{eff}$

FIG. 3

### Multiple-step-index case



### Two-material case

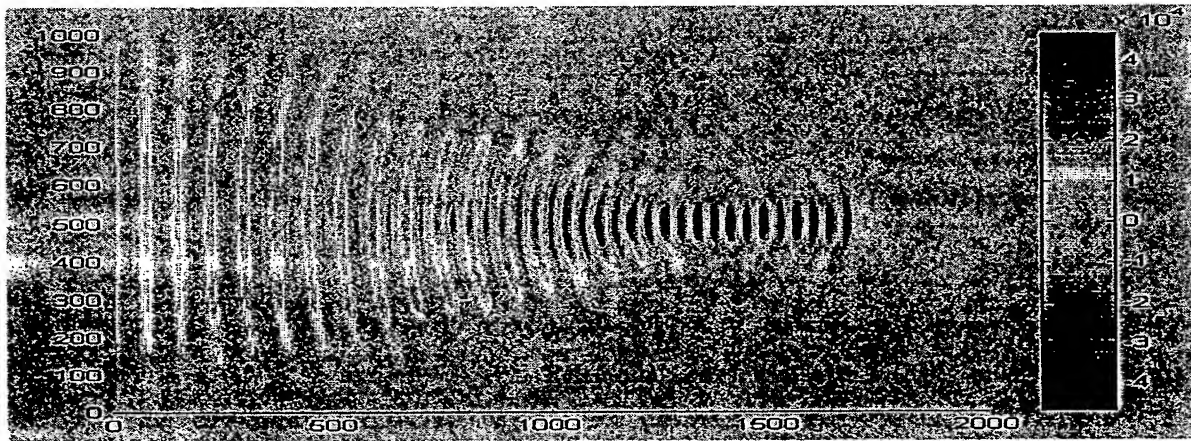
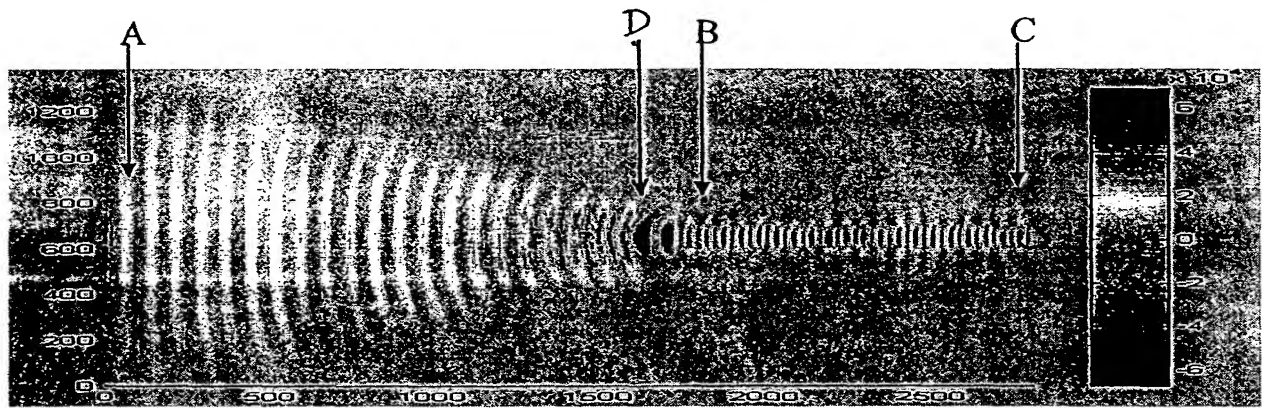
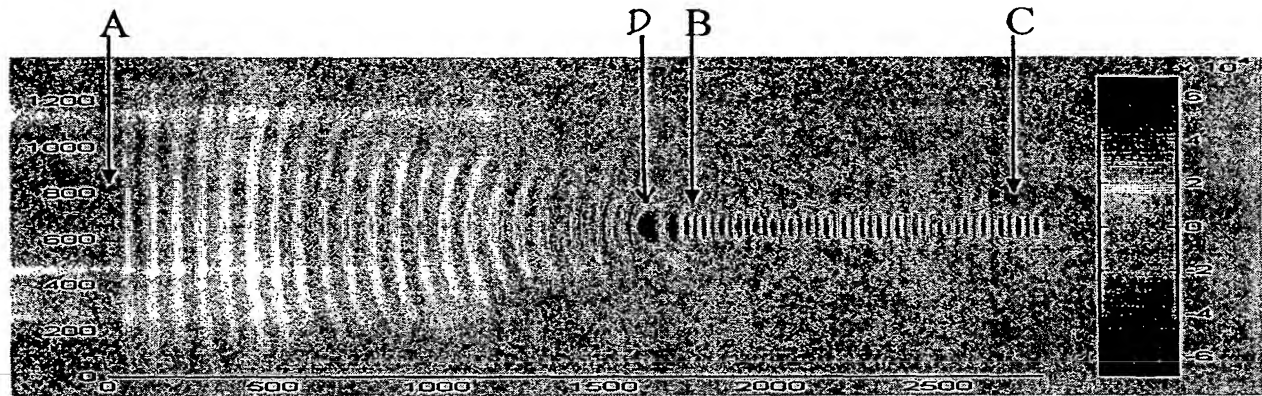


FIG. 4



(a) Two Material Case, with AR coatings, 1  $\mu\text{m}$  air gap, focusing in air



(b) Multiple step index case, 1  $\mu\text{m}$  air gap, AR coatings, focusing in air

FIG. 5

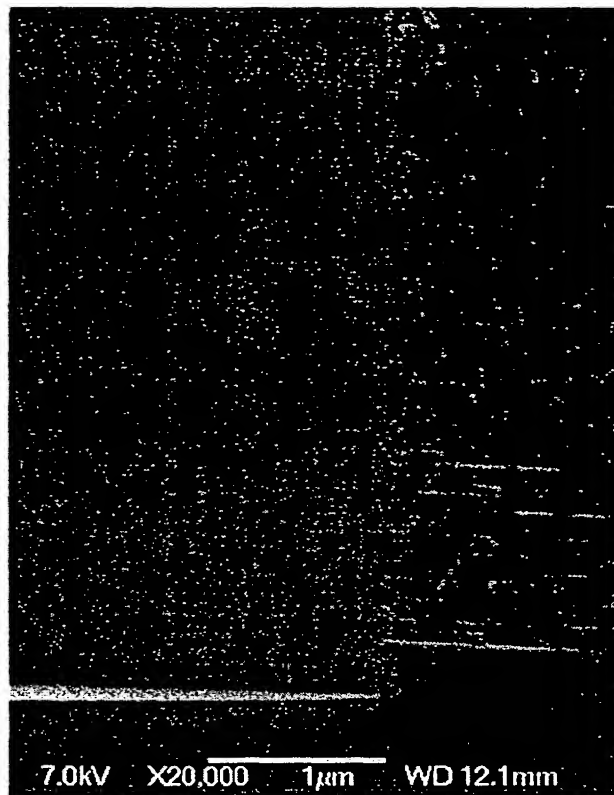
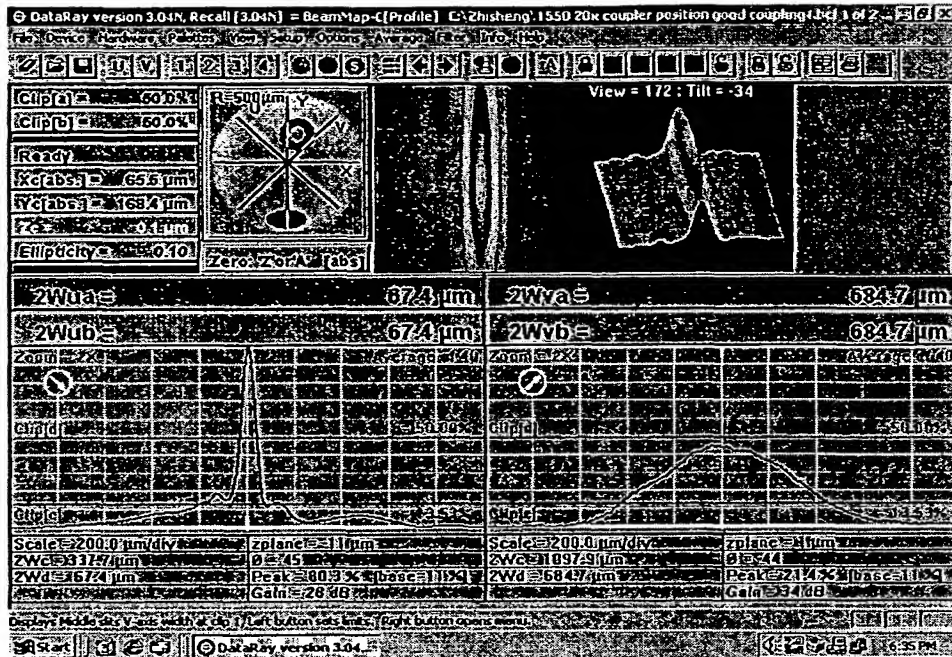


FIG. 6

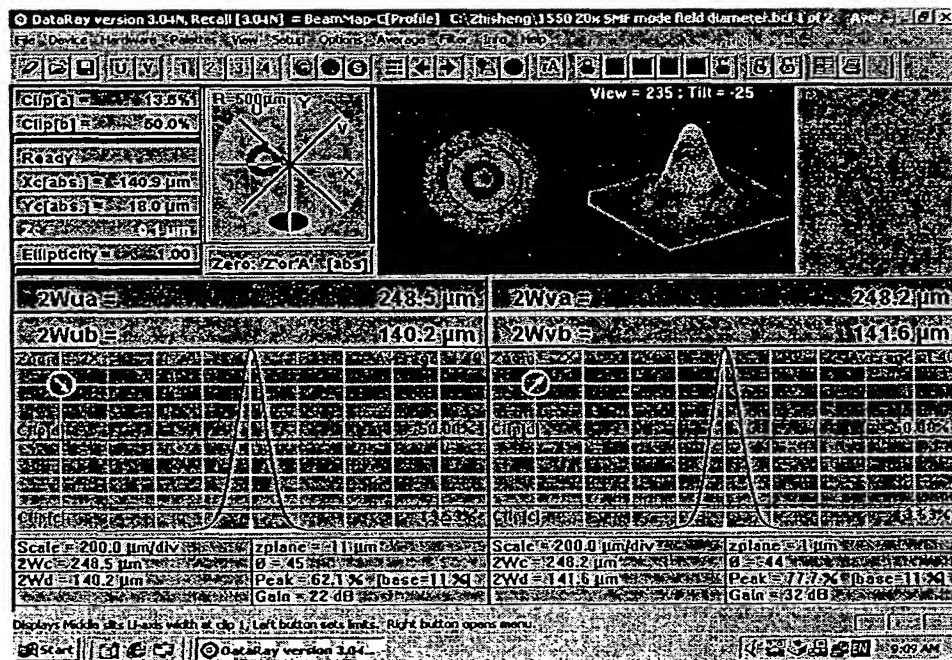
Patent Application for: Varying Refractive Index Optical Medium Using  
at Least Two Materials with Thicknesses Less than a Wavelength

Inventor(s): Yan Zhou and Seig-Tiong Ho

Attorney Docket No. 10095/18 and Serial No. Applied For



(a)



(b)

FIG. 7



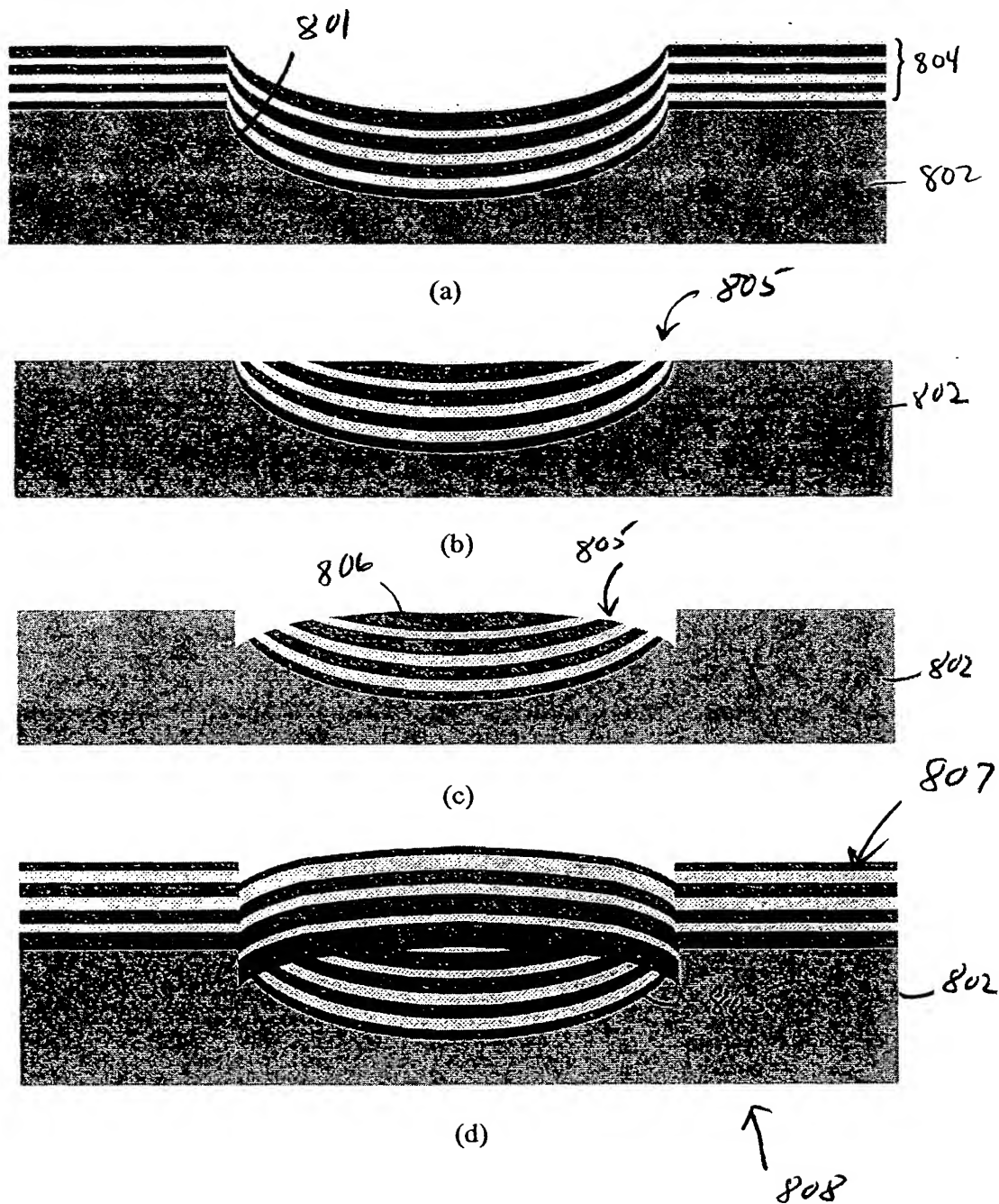


FIG. 8